Augmentation of hydro power potential

2522. SHRI VIJAY J. DARDA: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that despite the tall claims about augmenting hydro electricity power generation, only 19.08 per cent of the country's hydel power potential has been developed at a load factor of 60 per cent which is only about 16,031.85 MW of the 84,044 MW potential that has been assessed;

(b) if so, the details thereof; and

(c) the manner in which Government propose to augment generation of hydel power?

THE MINISTER OF POWER (SHRI SUSHIL KUMAR SHINDE): (a) and (b) As per re-assessment studies conducted by Central Electricity Authority (CEA), the hydro electric potential of the country has been assessed at 84,044 MW at 60% load factor out of which 16,506.85 MW (at 60% load factor) has been developed and 4333.73 MW (at 60% load factor) is under development. The State-wise status of hydro potential developed and under development is given at the Statement *(See* below).

(c) The following measures have been taken by the Government to augment generation of hydro power:

- Creation of various Central/Joint Sector Corporation for implementation of Hydro-Electric (H.E.) Projects.
- Policy on hydro power development (1998 including measures to attract private participation.
- 3-stage clearance procedure for CPSUs.
- 50.000 MW Hydroelectric Initiative.
- Advance action for identification of H.E. Projects for benefits during 11th Plan and beyond.
- National Water Policy, 2002.
- National Rehabilitation and Resettlement Policy, 2003.
- Enactment of Electricity Act, 2003.

- National Electricity Policy, 2005.
- Guidelines for determination of tariff by bidding process for procurement of power by distribution licensees.
- Periodical review of projects under construction by the Ministry of Power and Central Electricity Authority (CEA).
- Monitoring of the projects under construction by the nodal officers of CEA.
- Regular visits of Senior Officers to project sites.
- Review meetings with manufacturers/suppliers of major equipments.
- Co-ordination meetings with Ministry of Environment and Forests/ Ministry of Water Resources/Central Water Commission for early clearance of the projects from environment, forest/wildlife angles and sharing of waters of inter-State rivers.

Statetment

Status of Hydro Electric Potential Development at 00% LF
(State-wise)

As on 31.07.2006

Region/ State	Potential assessed at 60% Load factor (MW)	Potential developed at 60% LF (MW)	% develo-ped	Potential Under Develop-ment at 60% LF (MW)	% under-develop-ment	%of potential developed •Hinder development
1	2	3	4	5	6	7
NORTHERN						
Jammu & Kashmir	7487.00	515.00	6.86	533.27	7.12	14.00
Himachal Pradeah	11647.00	2545.S7	21.86	1153.78	9.91	31.76
Punjab	822.00	679.50	73.70	0.00	0.00	73.70
Haryana	64.00	51.*67*	80.73	0.00	0.00	80.73
Rajasthan	291.00	188.67	64.83	0.00	0.00	*64.89*
Uttaranchal	9341.00	187442	14.71	783.33	8.39	23.10
Uttar Pradesh	403.00	637.90	83.8S	0.00	0.00	83.85
Sub Total (NR)	3G1S5.00	5692.82	18.88	2470.38	8.19	

1	2	3	4	5	6	7
WESTERN						
M.P.& Chhattisgarh	2774.00	1393.10	50.22	472.50	17.03	67.25
Gujarat	409.00	253.82	62.06	0.00	0.00	62.06
Maharashtra	2460.00	1314.61	53.44	0.00	0.00	53.44
Goa	36.00	0.00	0.00	0.00	0.00	0.00
Sub Total (WR)	5679.00	2961.52	52.15	472.50	8.32	60.47
SOUTHERN						
Andhra Pradesh	2909.00	1405.45	4S.3J	30.23	1.04	49.35
Karnataka	4347.00	2429.28	55.86	0.00	0.00	55.88
Kerala	2301.00	1144.17	49.72	82.03	3.57	53.29
Tamil Nadu	1206.00	992.33	62.28	65.45	5.43	87.71
Sub Total(SR)	10763.00	5971.23	55.48	177.72	1.65	57.13
EASTERN						
Jharkhand	478.00	75.17	16.73	0.00	0.00	15.73
Bihar	60.00	44.78	74.64	0.00	0.00	74.64
Orissa	1983.00	1100.50	55.50	31.17	1.57	57.07
West Bengal	1786.00	91.33	5.11	102.98	5.77	10.83
Sikkim	1283.00	52.50	4.09	164.40	12.81	16.91
Sub Total (ER)	5590.00	1364.28	24.41	298.55	5.34	29.75
NORTHEASTERN						
Meghalaya	1070.00	121.67	11.37	23.58	2.20	13.57
Tripura	9.00	7.50	83.33	0.00	0.00	83 33
Manipur	1176.00	71.67	6.09	42.50	3.61	9.71
Assam	351.00	111.67	31.81	74.17	21.13	52.94
Nagaland	1040.00	81.83	7.87	0.00	0.00	7.87
Arunachal Pd.	26756.00	122.67	0.46	743.50	2.78	3.24
Mizoram	1455.00	0.00	0.00	30.83	2.12	2.12
Sub Total (NER)	31857.00	517.00	1.62	914.58	2.87	4.49
All India	84044.00	16506.85	19.64	4333.73	5.16	24.80